Satchwell IAC

Niagara Framework Driver

The Satchwell IAC driver connects Satchwell Intelligent Advanced Controllers (IAC) directly to Tridium Niagara via RS-485, providing a modern integration path for buildings equipped with Satchwell IAC building management systems.

Existing IAC controllers require no reprogramming. The driver uses the SatchNet Protocol (SNP) to communicate with all IAC and MMC controller models, which are versatile devices commonly deployed for VAV control, terminal units, zone control, and custom applications. Devices, points, and controller properties are discovered automatically with engineering units mapped to standard Niagara units. The driver provides full read, write, and override capabilities with automatic time synchronization across all connected controllers.

The driver connects via RS-485, supporting up to 32 controllers per segment, requiring no additional gateways or protocol converters.

- ✓ Works with all Satchwell IAC controllers
- ✓ SatchNet Protocol (SNP) over RS-485
- ✓ Supports VAV, terminal units, and zone control
- ✓ Automatic device, point, and property discovery
- ✓ Reads, writes, and overrides points in real time
- ✓ Automatic engineering unit mapping to Niagara
- ✓ Synchronizes time across all controllers
- ✓ Up to 32 controllers per RS-485 segment
- ✓ Multiple RS-485 ports per JACE for independent networks
- ✓ No controller reprogramming required
- ✓ No annual fees
- ✓ Free technical support and upgrades

Satchwell IAC420 Controller

SUPPORTED DEVICES

MMC 3601	IAC 200	IAC 420
MMC 4601	IAC 400	IAC 600

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE with RS-485 port
- ✓ Satchwell IAC Satchnet driver license

CONNECTIVITY

RS-485

Connect Niagara to Satchwell IAC controllers using the SatchNet Protocol (SNP) over RS-485. Supports up to 32 controllers per segment.

ORDERING INFORMATION

Part Number	Description
STN-J-250	IAC Satchnet for JACE, 250 points
STN-J-1000	IAC Satchnet for JACE, 1000 points
STN-J-UNL	IAC Satchnet for JACE, unlimited points
STN-SUP	IAC Satchnet for Supervisor, first 500 points
STN-SUP-500	IAC Satchnet for Supervisor, extra 500 points